CONTENTS OF VOLUME 35

NUMBER 1, JANUARY

COMMENTARY

Growth and Development: Stability and Change 1

ARTICLES

Myotonic Dystrophy in Infancy and Childhood—*Philip R. Dodge, Ingrid Gamstorp, Randolph K. Byers, and Patricia Russell* 3

Congestive Heart Failure in Infancy. 1. Abnormalities in Blood Gases and Acid-Base Equilibrium—*Norman S. Talner, S. K. Sanyal, Katherine H. Halloran, Thomas H. Gardner, and Nelson K. Ordway* 20

Multiple Hemangiomas in an Infant with Cardiac Hypertrophy. Postmortem Angiographic Demonstration of the Arteriovenous Fistulae—*Amiel G. Cooper and Robert P. Bolande* 27

Fatal Myocarditis in an Adolescent Caused by Coxsackie Virus, Group B, Type Four—*Shyamal K. Sanyal, Mehdy Mahdavy, Mary O. Gabrielson, Romeo A. Vidone, and Marie J. Browne* 36

The Emotional Correlates of Sydenham's Chorea—*John M. Freeman, Alan M. Aron, Jean E. Collard, and Mary C. MacKay* 42

Homocystinuria: Biochemical Studies of Tissues including a Comparison with Cystathioninuria—*D. P. Brenton, D. C. Cusworth, and G. E. Gaull* 50

Sex Differences in Susceptibility to Infections—*Thomas C. Washburn, Donald N. Medearis, Jr., and Barton Childs* 57

On the Transport of Insulin Across the Human Placenta—*David Gitlin, Jesús Kumate, and Carlos Morales* 65

Congenital Hypoplasia of the Adrenal Glands. Report of Two Cases in Sisters with Necropsy—*Anadil Roselli and Luiz Torres Barbosa* 70

Radiothyroxine Metabolism in Euthyroid Adolescent Males in Different Stages of Sexual Maturation—*Wellington Hung, Graciano P. Gancayco, and Felix P. Heald* 76

Mothers' Opinions of Their Pediatric Care—*Robert W. Deisher, William L. Engel, Robert Spielholz, and Susan J. Standfast* 82

Studies on Hyaline Membrane Disease. II. The Ontogeny of the Fibrinolysin System—*Clara M. Ambrus, David H. Weintraub, Kenneth R. Niswander, and Julian L. Ambrus* 91

The Effect of Measles, Gamma Globulin Modified Measles, and Attenuated Measles Vaccine on the Course of Treated Tuberculosis in Children—*Saul Starr and Sumner Berkovich* 97

Congenital Horner's Syndrome and Heterochromia Iridum. Their Association with Congenital Foregut and Vertebral Anomalies—*Geoffrey C. Robinson, D. A. Dikrainian, and G. F. Roseborough* 103

Allergic Rhinitis in Early Infancy. Review of the Literature and Report of a Case in a Newborn—*Manuel Ingall, Jerome Glaser, Richard S. Meltzer, and Eric M. Dreyfuss* 108

Diagnosis and Treatment: Use of Steroids in Asthma in Children—*Victor C. Vaughan, III* 113

EXPERIENCE AND REASON—BRIEFLY RECORDED

Femoral Arteriovenous Fistula Following Venipuncture—*Starkey D. Davis, David Baum, and David H. Dillard* 118

The Use of Glucagon-Gel in Idiopathic Spontaneous Hypoglycemia of Infancy—S. *Douglas Frasier, Fred G. Smith, Jr., and Andrea Nash* 120

Alwall's Artificial Kidney Modified for the Treatment of Infants—*Michael Kessel and W. Pann* 123

Erythrocyte Metabolism in Galactosemia—*A. Zipursky, M. Rowland, J. D. Ford, J. C. Haworth, and L. G. Israels* 126

SPECIAL ARTICLE

School Failure—*Kurt Glaser and Raymond L. Clemmens* 128

CONTRIBUTORS' SECTION

Annual Summary of Vital Statistics—1963—*Myron E. Wegman* 142

LETTERS TO THE EDITOR 146

NEWS AND ANNOUNCEMENTS 152

BOOK REVIEWS 69, 90, 107

NEW PUBLICATIONS RECEIVED 156

RESÚMENES EN ESPAÑOL 157

ANNOUNCEMENTS OF MEETINGS lxxxiii

PREPARATION OF MANUSCRIPTS (see June and December issues)

NUMBER 2, FEBRUARY

COMMENTARY

On an "Impractical" Paper—*R. James McKay, Jr.* 219

ARTICLES

Appearance and Localization of a Nerve Growth-Promoting Protein During Development—*Myron Winick and Robert E. Greenberg* 221

Antibodies to Gamma-Globulin in Infants and Children Exposed to Isologous Gamma-Globulin—*E. R. Stiehm and H. H. Fudenberg* 229

Effect of Trivalent Oral Poliovirus Vaccine in an Institutionalized Population with Varying Natural and Acquired Immunity to Poliomyelitis—*Martha L. Lepow and David A. Spence* 236

Human Serum Precipitins to Goat's Milk Proteins and to Cow's Milk Proteins—*Melvin Lee* .. 247

Neonatal Staphylococcal Infection. I. Ecology and Prevention in a Maternity Hospital in El Salvador. II. Epidemiology of Infection and Disease—*Harold J. Simon, Juan Allwood-Paredes, and Alfonso Trejos* 254

Congenital Toxoplasmosis with Placental Infection in Monozygotic Twins—*Lewis Glasser and Basil G. Delta* 276

Spongy Degeneration of the Nervous System (Canavan's Disease: Report of a Case in an Irish-American Family—*Gwendolyn R. Hogan and Edward P. Richardson, Jr.* 284

Effects of a Physical Fitness Program upon Asthmatic Boys—*Kay H. Petersen and Thomas R. McElhenney* 295

Unilateral Pseudoemphysema—A Case Report—*Daniel H. Wiseman* 300

Endobronchial Pressure as an Aid to Tracheo-Bronchial Aspiration—*Sydney Segal* 305

Cardiac Problems in the Glycogenoses with Specific Reference to Pompe's Disease—*Arno R. Hohn, Charles U. Lowe, Joseph E. Sokal, and Edward C. Lambert* 313

The Diagnostic Value of Serum Creatine Kinase in Neuromuscular and Muscular Disease—*Franco Vassella, Roland Richterich, and Ettore Rossi* 322

Congenital Diffuse Fibromatosis: A Case Report—*Abner H. Levkoff, Carlos G. Gonzalez, and John L. Neher* 331

Diagnosis and Treatment: Management of Acute Viral Bronchiolitis in Infancy—*F. Howell Wright and Marc O. Beem* 334

EXPERIENCE AND REASON—BRIEFLY RECORDED

Congenital Anomalies of the Kidney in Association with Wilms's Tumor—*K. H. Jagasia and William G. Thurman* 338

Lactulosuria in the Neonate: A Preliminary Report—*Joyce D. Gryboski and John J. Boehm* 340

Nasal Glioma—*Kenneth G. Jamieson* 342

SPECIAL ARTICLE

Some Effects of Altered Environments: Relationships between Space Medicine and Adaptations at Birth—*Mary Ellen Avery* 345

LETTERS TO THE EDITOR 355

NEWS AND ANNOUNCEMENTS 362

BOOK REVIEWS 228, 235

NEW PUBLICATIONS RECEIVED 365

RESÚMENES EN ESPAÑOL 366

ANNOUNCEMENTS OF MEETINGS lxxxi

PREPARATION OF MANUSCRIPTS (See June and December issues)

CONTENTS OF VOLUME 35

NUMBER 3, MARCH

COMMENTARY

News about New Treatments—Response and Responsibility—*William A. Silverman* 369
The Unknown Reviewer, 1964 371

ARTICLES

The Development of the Lungs of Lambs—*M. M. Orzalesi, E. K. Motoyama, H. N. Jacobson, Y. Kikkawa, E. O. R. Reynolds, C. D. Cook* 373
The Effect of Immaturity and Prenatal Asphyxia on the Lungs and Pulmonary Function of Newborn Lambs: The Experimental Production of Respiratory Distress—*E. O. R. Reynolds, H. N. Jacobson, E. K. Motoyama, Y. Kikkawa, J. M. Craig, M. M. Orzalesi, and C. D. Cook* 382
The Bacteriologic Findings, Streptococcal Immune Response, and Renal Complications in Children with Impetigo—*Milton Markowitz, H. David Bruton, Ann G. Kuttner, and Leighton E. Cluff* 393
Thirteen Boys with Progressive Septic Granulomatosis—*Merl J. Carson, David L. Chadwick, Charles A. Brubaker, Robert S. Cleland, and Benjamin H. Landing* 405
Idiopathic Edema and Hyperaldosteronuria: Postural Venous Plasma Pooling—*Delbert A. Fisher and Manford D. Morris* 413
A Follow-up Study of Children of Low Birth Weight and Control Children at School Age—*Nancy M. Robinson and Halbert B. Robinson* 425
Correlates of Low Birth Weight: Psychological Status at Six to Seven Years of Age—*Gerald Wiener, Rowland V. Rider, Wallace C. Oppel, Liselotte K. Fischer, and Paul A. Harper* 434
The Swallowing Mechanism of the Neonate. I. Esophageal and Gastric Motility—*Joyce D. Gryboski* 445
Spontaneous Perforation of Bile Ducts in Early Infancy—*George A. Hyde, Jr.* 453
Auditory Evoked Responses Obtained from the Scalp Electroencephalogram of the Full-Term Human Neonate during Sleep—*Elliot D. Weitzman, William Fishbein, and Leonard Graziani* 458
The Role of Chromosome Translocation in the Recurrence Risk of Down's Syndrome—*C. David Petersen and Luigi Luzzatti* 463
Studies on the Utilization of Hexoses in Liver Glycogen Disease—*J. Fernandes and J. H. van de Kamer* 470
Diagnosis and Treatment: Acute Renal Failure—*Malcolm A. Holliday* 478

EXPERIENCE AND REASON—BRIEFLY RECORDED

Massive Gastrointestinal Hemorrhage in the Newborn Infant—*Edward G. Stanley-Brown and Stuart S. Stevenson* 482
Kernicterus in Small Premature Infants—*Leo Stern and Ronald L. Denton* 483

SPECIAL ARTICLE

The Parental Dilemma—*John T. Rule* 486

AMERICAN ACADEMY OF PEDIATRICS

Obituary—Frank H. Douglass 497
Screening of Newborn Infants for Metabolic Disease—*Committee Report* 499
Statement on Treatment of Phenylketonuria—*Committee Report* 501

LETTERS TO THE EDITOR 504

NEWS AND ANNOUNCEMENTS 508

BOOK REVIEWS 512

NEW PUBLICATIONS RECEIVED 515

RESÚMENES EN ESPAÑOL 516

ANNOUNCEMENTS OF MEETINGS lxxv

CORRECTION 444

PREPARATION OF MANUSCRIPTS (See June and December issues)

CONTENTS OF VOLUME 35

NUMBER 4, APRIL

COMMENTARY

The Significance of Milk Antibodies—*Eli Gold and Frederick C. Robbins* 569

ARTICLES

Anti-Bovine Serum Albumin and Anti-Alpha Lactalbumin in the Serum of Children and Adults —*Richard M. Rothberg and Richard S. Farr* 571
The Family History of Spina Bifida Cystica—*John Lorber* 589
Infantile Genetic Agranulocytosis—*J. Eugene Lang and Hunter O. Cutting* 596
The Growth and Maturation of Human Glomeruli and Proximal Convolutions from Term to Adulthood, Studies by Microdissection—*George H. Fetterman, Nancy A. Shuplock, Frederick J. Philipp, and Helen S. Gregg* 601
Takayasu's Disease (Primary Aortitis) in Childhood, Case Report with Review of Literature—*Joseph B. Warshaw and Madison S. Spach* 620
Wolman's Disease: Three New Patients with a Recently Described Lipidosis—*Allen C. Crocker, Gordon F. Vawter, Edward B. D. Neuhauser, and Andre Rosowski* 627
Repetitive Poisoning in Children: A Psychosocial Study—*Raymond Sobel and James A Margolis* 641
The Etiological Role of *Mycoplasma Pneumoniae* in Otitis Media in Children—*O. Soběslavský, L. Syrůček, M. Bůčková and A. Abrahamovič* 652
Cardiac Arrhythmias in Premature Infants—*Beverly C. Morgan, Ronald S. Bloom, and Warren G. Guntheroth* 658
Adjustment of Ventilation, Intrapulmonary Gas Exchange, and Acid-Base Balance During the First Day of Life: Infants with Early Respiratory Distress—*L. Samuel Prod'hom, Henry Levison, Ruth B. Cherry, and Clement A. Smith* 662
Distribution of Cytochrome C and Myoglobin in Rats with Dietary Iron Deficiency—*Peter R. Dallman and Herbert C. Schwartz* 677
Extrophy of the Cloaca: Report of a Case Treated Surgically—*Gerald T. Zwiren and Joseph H. Patterson* 687
Continuous Recording of Sweating by Resistance Hygrometry—*William E. Segar, Charles J. Hancock, Thomas Sawyer, and Robert W. Bullard* 693
Solitary Pulmonary Hydatid Cyst: Report of a Case and Discussion of Its Differential Diagnosis —*Eduardo Vachier and David C. Hillman* 699
Therapeutic Principles for Streptococcus Viridans Infections: Recurrent Bacterial Endocarditis in a Child with Congenital Heart Disease—*Welton M. Gersony and Alexander S. Nadas* 704

EXPERIENCE AND REASON—BRIEFLY RECORDED

Leucine-Sensitive Hypoglycemia Treated with Long-Acting Epinephrine—*George G. Griese and Frederick J. Wenzel* 709
Nuclear Projections of Neutrophils in the 13-15 Trisomy Syndrome—*Richard N. Fine, May Y. F. Woo Wang, and Clark W. Heath, Jr.* 712
Benzalkonium Chloride Solution as a Source of False Proteinuria—*John C. Robinson and John P. Connelly* 714
Sex-Linked Imperforate Anus—*E. David Weinstein* 715

LETTERS TO THE EDITOR 719

NEWS AND ANNOUNCEMENTS 721

BOOK REVIEWS 640, 657, 692, 723

NEW PUBLICATIONS RECEIVED 515

RESÚMENES EN ESPAÑOL 726

ANNOUNCEMENTS OF MEETINGS lxxxiii

PREPARATION OF MANUSCRIPTS (See June and December issues)

NUMBER 5, MAY

COMMENTARY

Prospects in Prenatal Physiology, Diagnosis, and Treatment—*G. S. Dawes* 731

ARTICLES

Preliminary Report—The Pulmonary Hypoperfusion Syndrome—*J. Chu. J. A. Clements, E. Cotton, M. H. Klaus, A. Y. Sweet, M. A. Thomas, and W. H. Tooley* 733

The Bi-Directional Placental Transfer of I^{131} 3:5:3′ Triiodothyronine in the Rhesus Monkey—*Marvin A. Schultz, Jean B. Forsander, Ronald A. Chez, and Donald L. Hutchinson* 743

Serum Butanol-Extractable Iodine Concentrations in Prematures—*Alan N. Marks and Evelyn B. Man* 753

Maternal, Cord, and Serial Venous Blood: Protein Bound Iodine, Thyroid-Binding Globulin, Thyroid-Binding Albumin, and Prealbumin Values in Premature Infants—*Ralph E. Perry, Joan E. Hodgman, and Paul Starr* 759

Estimation of the Serum $Beta_{1C}$ Globulin Concentration: Its Relation to the Serum Hemolytic Complement Titer—*Martin R. Klemperer, Samuel P. Gotoff, Chester A. Alper, Alan S. Levin, and Fred S. Rosen* 765

Symptomatic Hypoglycemia, Visceral Fatty Metamorphosis, and Aglycogenosis in an Infant Lacking Glycogen Synthetase and Phosphorylase—*Justin Parr, Thomas M. Teree, and Joseph Larner* 770

The Prognostic Value of the Electroencephalogram in Neonatal Convulsions—*J. A. R. Tibbles and J. S. Prichard* 778

Laparotomy for Rectal Bleeding—*Barry Shandling* 787

EXPERIENCE AND REASON—BRIEFLY RECORDED

Hemophilus Influenzae Meningitis in a Premature Infant—*Allen W. Mathies, Jr., Joan Hodgman, and Daniel Ivler* 791

Iatrogenic Hypophosphatemia in Infants with Renal Insufficiency—*Warren F. Dodge and Luther B. Travis* 792

Pilonidal Sinus in Infancy—*Richard A Lewin* 795

REVIEW ARTICLE

Genetic Origin of Some Sex Differences among Human Beings—*Barton Childs* 798

PROSPECTS IN PEDIATRICS

International Conference on Intrauterine Fetal Surgery—*Jerold F. Lucey and Edward Friedman* 813

Amniotic Fluid Spectrophotometry and Early Delivery in the Management of Erythroblastosis Fetalis—*John M. Bowman and Janet M. Pollock* 815

The Use of Amniocentesis and Fetal Transfusion in Erythroblastosis Fetalis—*A. W. Liley* 836

Prenatal Treatment of Erythroblastosis following Hysterotomy—*Karlis Adamsons, Jr., Vincent J. Freda, L. Stanley James, and Molly E. Towell* 848

AMERICAN ACADEMY OF PEDIATRICS

Family Epidemiology—Report of a Symposium—*Reported by Robert J. Haggerty* 856

LETTERS TO THE EDITOR 864

NEWS AND ANNOUNCEMENTS 871

BOOK REVIEWS 875

NEW PUBLICATIONS RECEIVED 878

RESÚMENES EN ESPAÑOL 879

ANNOUNCEMENTS OF MEETINGS lxxxiii

PREPARATION OF MANUSCRIPTS (See June and December issues)

NUMBER 6, JUNE

COMMENTARY

A School Administrator's View of the Pediatrician's Role in School Health—*Charles E. Brown* 883

ARTICLES

The Etiology of Gastroenteritis in Infants and Children, with Emphasis on the Occurrence of Simultaneous Mixed Viral-Bacterial Infections—*Henry G. Cramblett and C. M. F. Siewers* 885
Rhinovirus Infection in Children with Acute Lower Respiratory Disease: Evidence against Etiological Importance—*Bernard Portnoy, Herbert L. Eckert, and Margaret A. Salvatore* 899
A New Congenital Hemolytic Anemia with Deformed Erythrocytes (?"Stomatocytes") and Remarkable Susceptibility of Erythrocytes to Cold Hemolysis in Vitro. I. Clinical and Hematologic Studies—*Gerald Miller, Philip L. Townes, and James B. MacWhinney* 906
ABO Hemolytic Disease of the Newborn: A Family Study with Emphasis on the Strength of the A Antigen—*Fred J. Grundbacher* 913
Plasma Bilirubin Determination in the Newborn Infant: A Methodological Study with Special Reference to the Influence of Hemolysis—*M. Michaëlsson, B. Nosslin, and S. Sjölin* 925
Clinical Observations in Phenylketonuria—*Ellen Song Kang, Joseph L. Kennedy, Jr., Lorraine Gates, Ida Burwash, and Ann McKinnon* 932
Intestinal Glycosidase Activities in the Human Embryo, Fetus, and Newborn—*Salvatore Auricchio, Armido Rubino, and Gertrud Mürset* 944
Renal Radiologic Changes in Sickle Cell Anemia—*Daniel C. Plunket, Sanford L. Leiken, and Joseph M. LoPresti* 955
Reduction of Radiation Exposure of Children During Urologic Diagnosis, Including a Non-radiographic Method of Demonstrating Vesicoureteral Reflux—*Arjan D. Amar and Kamla Chabra* 960
Hereditary Renal Dysfunction and Deafness—*George Cassady, Kenneth Brown, Maimon Cohen, and William DeMaria* 967
Infants of Diabetic Mothers: A Quantitative, Morphologic Study—*Richard L. Naeye* 980
Congenital Spinal Anomalies in Infants of Diabetic Mothers—*Stuart L. Rusnak and Shirley G. Driscoll* 989
Rubella: Frequency of Antibody among Children and Adults—*John L. Sever, Gilbert M. Schiff, Joseph A. Bell, Albert Z. Kapikian, Robert J. Huebner, and Renee G. Traub* 996
Diagnosis and Treatment: Respiratory Distress and Cardiac Disease in Infancy—*Abraham M. Rudolph* 999

EXPERIENCE AND REASON—BRIEFLY RECORDED

Depigmented Nevi: The Earliest Sign of Tuberous Sclerosis—*Arnold P. Gold and John M. Freeman* 1003
The Paradoxical Effect of Alcohol on Carbohydrate Metabolism in Four Patients with Liver Glycogen Disease—*Charles U. Lowe and Luis L. Mosovich* 1005
Case Report: The Coincidence of Biliary Atresia and the Heterozygous State of Galactosemia—*A. F. Robertson* 1008

SPECIAL ARTICLE

School Medical Service in Perspective—*Harold H. Mitchell* 1011

LETTERS TO THE EDITOR 1021

NEWS AND ANNOUNCEMENTS 1025

BOOK REVIEWS 915, 1028

NEW PUBLICATIONS RECEIVED 1032

RESÚMENES EN ESPAÑOL 1033

INDEX 1037

ANNOUNCEMENTS OF MEETINGS lxxvii

PREPARATION OF MANUSCRIPTS v

85
99
906
913
925
932
944
955
960
967
980
989
996
999
1003
1005
1008
1011
1021
1025
1028
1032
1033
1037
lxxvii
v